

In the Claims

For the convenience of the Examiner, all pending claims of the present Application are shown below in numerical order whether or not an amendment has been made and applying the revised format guidelines of 37 CFR 1.121 – IFW Final Rule..

1. (Canceled).

2. (Canceled).

3. (Canceled).

4. (Canceled).

5. (Canceled).

6. (Canceled).

7. (Previously Presented) A method for controlling a plurality of server chassis cooling fans, comprising:

transmitting first and second requests to first and second server processing cards, respectively, to read first and second operating temperatures, respectively, measured at first and second temperature sensors, respectively;

the first and second temperature sensors being coupled with the first and second server processing cards, respectively;

receiving the first and second operating temperatures at a central processing unit;

comparing the first and second operating temperatures with first and second predetermined maximum operating temperatures, respectively;

transmitting a third request to a plurality of server chassis cooling fans to increase the speed of the server chassis cooling fans if the first operating temperature is greater than or equal to the first predetermined maximum operating temperature or the second operating temperature is greater than or equal to the second predetermined maximum operating temperature; and

wherein the first and second server processing cards and the plurality of server chassis cooling fans are disposed at least partially within a server chassis.

8. (Currently Amended) The method of Claim 7, further comprising receiving at least a third operating temperature at the central processing unit, the third operating temperature being associated with a third temperature sensor that is coupled with a third server processing card;

comparing the third operating temperature with a third predetermined maximum operating temperature; and

transmitting a ~~third~~ fourth request to increase the speed of the server chassis cooling fans if the third operating temperature is greater than or equal to the third predetermined maximum operating temperature.

9. (Original) The method of Claim 8, wherein at least two of the first, second and third predetermined maximum operating temperatures are equal.

10. (Original) The method of Claim 7, wherein the first request is transmitted over a PCI bus.

11. (Previously Presented) The method of Claim 7, further comprising receiving the operating temperature from a sensor chip.

12. (Previously Presented) The method of Claim 11, wherein the operating temperature is received over an I²c bus.

13. (Previously Presented) The method of Claim 7, wherein the third request comprises a GPIO signal.

14. (Canceled).

15. (Canceled).

16. (Canceled).

17. (Canceled).

18. (Canceled).

19. (Canceled).

20. (Previously Presented) A system, comprising:

a plurality of server processing cards each having a respective central processing unit and temperature sensor;

the central processing units being operable to read operating temperatures measured at the temperature sensors;

a printed circuit board coupling each server processing card with a plurality of server chassis cooling fans;

wherein the plurality of server processing cards comprises a first number of server processing cards and the plurality of cooling fans comprises a second number of cooling fans and wherein the first number is greater than the second number; and

wherein each of the plurality of server chassis cooling fans is operable to increase speeds of rotation in response to a signal from any of the server processing cards indicating an operating temperature greater than or equal to a predetermined maximum operating temperature.

21. (Canceled).

22. (Previously Presented) A computer readable medium encoded with logic operable to:

transmit first and second requests to first and second server processing cards, respectively, to read an operating temperature measured at first and second temperature sensors, respectively;

the first and second temperature sensors being coupled with the first and second server processing cards, respectively;

receive the first and second operating temperatures at a central processing unit;

compare the first and second operating temperatures with first and second predetermined maximum operating temperatures, respectively;

transmit a third request to a plurality of server chassis cooling fans to increase the speed of the server chassis cooling fans if the first operating temperature is greater than or equal to the first predetermined maximum operating temperature or the second operating temperature is greater than or equal to the second predetermined maximum operating temperature; and

wherein the first and second server processing cards and the plurality of server chassis cooling fans are disposed at least partially within a server chassis.

23. (Previously Presented) The computer readable medium of claim 22, wherein the logic is further operable to receive the operating temperature from a sensor chip.

24. (Canceled).

25. (Canceled).

26. (Canceled).

27. (Canceled).

28. (Canceled).

29. (Canceled).

30. (Canceled).

31. (Canceled).

32. (Canceled).

33. (Canceled).

34. (Previously Presented) A system for controlling a plurality of server chassis cooling fans, comprising:

means for transmitting first and second requests to first and second server processing cards, respectively, to read first and second operating temperatures, respectively, measured at first and second temperature sensors, respectively;

the first and second temperature sensors being coupled with the first and second server processing cards, respectively;

means for receiving the first and second operating temperatures at a central processing unit;

means for comparing the first and second operating temperatures with first and second predetermined maximum operating temperatures, respectively;

means for transmitting a third request to a plurality of server chassis cooling fans to increase the speed of the server chassis cooling fans if the first operating temperature is greater than or equal to the first predetermined maximum operating temperature or the second operating temperature is greater than or equal to the second predetermined maximum operating temperature; and

wherein the first and second server processing cards and the plurality of server chassis cooling fans are disposed at least partially within a server chassis.

35. (Previously Presented) The system of Claim 34, further comprising means for receiving the operating temperature from a sensor chip.

36. (Previously Presented) A method for controlling a plurality of server chassis cooling fans, comprising:

monitoring operating temperatures associated with each of a plurality of server processing cards, the server processing cards being disposed within a server chassis; and

increasing the operating speed of cooling fans associated with the server chassis if any one of plurality of server processing cards' operating temperature exceeds one of a plurality of predetermined maximum temperatures.

37. (Previously Presented) The method of Claim 7, wherein the first predetermined maximum operating temperature is equal to the second predetermined maximum operating temperature.

38. (Previously Presented) A method for controlling temperature in a server chassis, comprising:

transmitting first, second, and third requests to first, second, and third of at least ten server processing cards, respectively, to read first, second, and third operating temperatures, respectively, measured at first, second, and third temperature sensors, respectively, wherein the first, second, and third temperature sensors are respectively coupled with the first, second, and third server processing cards and at least one of the first, second, and third requests is transmitted over a PCI bus;

receiving, in response to transmitting the requests, the first, second, and third operating temperatures over a midplane circuit board at a central processing unit;

comparing the first, second, and third operating temperatures with first, second, and third predetermined maximum operating temperatures, respectively, at the central processing unit;

transmitting a fourth request to all of at least three server chassis cooling fans to increase the speed of the server chassis cooling fans if the first operating temperature is greater than or equal to the first predetermined maximum operating temperature, the second operating temperature is greater than or equal to the second predetermined maximum operating temperature, or the third operating temperature is greater than or equal to the third predetermined maximum operating temperature; and

wherein the server processing cards and the server chassis cooling fans are disposed at least partially within the server chassis.

39. (Previously Presented) The method of Claim 38, and further comprising adjusting at least two of the first, second, and third predetermined maximum operating temperatures to an equal value.